

**Listing of Claims**

The following listing of claims will replace all prior versions, and listings, of claims in the subject application:

Claims 1-48 (canceled).

49. (Currently amended) A method for analyzing a sample oligonucleotide sequence comprising:

- (a) forming a plurality of microscopic locations on a substrate, wherein each microscopic location is individually electronically addressable;
- (b) electronically immobilizing one or more anchor sequences to individually selected microscopic locations, wherein said anchor sequences comprise oligonucleotide sequences which hybridize with the sample oligonucleotide sequence;
- (c) contacting the sample oligonucleotide sequence with the anchor sequences and with a mobilized probe, wherein the probe comprises an oligonucleotide sequence which hybridizes to a target oligonucleotide sequence to be detected in a suitable buffer, to form a complex;
- (d) subjecting said complex to a field which moves unbound oligonucleotide sequences away from said anchor sequences in the direction of said field, wherein said field is an electric field; and
- (e) determining whether said probe is bound to said sample oligonucleotide sequence.

Claims 50-56 (Canceled).

57. (Previously presented) The method of claim 49 additionally comprising subjecting the probe to a field which concentrates the probe near the anchor sequences during step (c).

58. (Currently amended) The method of claim 49, wherein said probe is from 6 to 100 bases.

Claims 59-78 (Canceled).

79. (new) The method of claim 49, wherein said probe is free to move and be transported between said microscopic locations on said substrate.